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Attorney Docket No. 4394.214

PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: Svendsen et al.

Application No.: 09/325,603

Group Art Unit: 1652

Filed: June 3, 1999

Examiner: E. Slobodyansky

For: Alpha-amylases

**AMENDMENT UNDER 37 C.F.R. 1.121**Assistant Commissioner for Patents  
Washington, D.C. 20231

Sir:

This is in response to the Advisory Action dated March 30, 2001 and the final Office Action mailed August 30, 2000.

**IN THE CLAIMS**Please cancel claims 71 and 76-78. Please add the following new claims ~~79-84~~ <sup>85-86</sup>

*Rule 126*  
*Part G1*  
*Rule 126*

~~79~~ (new) A method for producing a variant of a parent alpha-amylase having an altered property relative to said parent alpha-amylase, wherein said altered property is selected from the group consisting of substrate specificity, substrate binding, substrate cleavage pattern, temperature stability, pH dependence of enzymatic activity, pH dependence of stability, stability towards oxidation, Ca<sup>2+</sup>-dependency and specific activity, wherein said parent alpha-amylase has a sequence of at least 70% homology to the sequence of SEQ ID No: 13, when homology is determined by the GAP program (Genetic Computer Group, Version 7.3) using default values for GAP penalties, said method comprising